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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/779,440	02/13/2004	Hee-Sook Park	5649-1184	8768	
7:	590 06/06/2005		EXAMINER		
Robert M. Meeks			TRAN, LONG K		
Myers Bigel Sil	bley & Sajovec				
				PAPER NUMBER	
Raleigh, NC 2	27627		2818		
			DATE MAILED: 06/06/200	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

		Application No.	Applicant(s)	7.1.0			
Office Action Summary		10/779,440	PARK ET AL.				
		Examiner	Art Unit				
		Long K. Tran	2818				
Period fo	The MAILING DATE of this communicat or Reply	ion appears on the cover sheet w	ith the correspondence addre	ss			
A SH THE - Exter after - If the - If NO - Failu Any I	ORTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNICA' asions of time may be available under the provisions of 37 SIX (6) MONTHS from the mailing date of this communic period for reply specified above is less than thirty (30) day period for reply is specified above, the maximum statutor to reply within the set or extended period for reply will, reply received by the Office later than three months after the patent term adjustment. See 37 CFR 1.704(b).	TION. CFR 1.136(a). In no event, however, may a ration. ys, a reply within the statutory minimum of thin y period will apply and will expire SIX (6) MON by statute, cause the application to become AE	eply be timely filed by (30) days will be considered timely. ITHS from the mailing date of this comm SANDONED (35 U.S.C. § 133).	unication.			
Status							
1)⊠	Responsive to communication(s) filed o	n 13 February 2004.					
		This action is non-final.					
<i>′</i> —	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims						
5) 6) 7)	Claim(s) 1 - 51 is/are pending in the apple 4a) Of the above claim(s) is/are version claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to. Claim(s) 1 - 51 are subject to restriction	vithdrawn from consideration.					
Applicati	on Papers		•				
9)	The specification is objected to by the E	xaminer.					
10)	☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
	Applicant may not request that any objection						
11)	Replacement drawing sheet(s) including the The oath or declaration is objected to by	•	, , ,	• •			
Priority ι	ınder 35 U.S.C. § 119						
a)	Acknowledgment is made of a claim for All b) Some * c) None of: 1. Certified copies of the priority doc 2. Certified copies of the priority doc 3. Copies of the certified copies of the application from the International see the attached detailed Office action for	cuments have been received. cuments have been received in A he priority documents have been Bureau (PCT Rule 17.2(a)).	pplication No received in this National Sta	age			
Attachmen		·	, , , , , , , , , , , , , , , , , , ,				
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-		Summary (PTO-413) s)/Mail Date				
3) 🔲 Inform	nation Disclosure Statement(s) (PTO-1449 or PTC r No(s)/Mail Date		nformal Patent Application (PTO-15	52)			

Election/Restrictions

Claims 1 – 51 are pending in this application.

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

Group I. Claims 1 – 25, drawn to a semiconductor device, classified in class 257, subclass 763.

Group II. Claims **26** – **51**, drawn to process of making a semiconductor device, classified in class **438**, subclass **683**.

2. The inventions are distinct, each from the other because of the following reasons:

Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of following can be shown: (1) that the process as claimed can be use to make other and materially different product or by hand, or (2) that process as claimed can be made by another and materially different process. (MPEP § 806.05(f)). In the instance case unpatentabilities of the group I invention would not necessarily imply unpatentability of the group II invention, since the device of the group I invention could be made by the processes materially different from those of the group II invention, for example, in claim 26, using plating process instead of a sputtering process, a vacuum evaporation process, a PVD or a CVD process to form a conductive pattern in the second insulation layer.

3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, the fields of search are not co-extensive. Therefore, separate examination would be required and restriction for examination purposes as indicated is proper.

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4. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventor-ship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventor-ship must be accompanied by a diligently filed petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(h).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Long K. Tran whose telephone number is 571-272-1797. The examiner can normally be reached on Mon-Thu.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on 571-272-1787. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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May 25, 2005